



Synthetic Roofing Underlayment

For Tile, Metal and Other Durable Roof Systems

INSTALLATION GUIDELINES

Before Installing QUICKSILVER ensure the roof deck or substrate is properly fastened, has no significant delamination, warpage, bowing or separation from the rafters, trusses or support structures and is free of debris, clean and smooth before the underlayment is applied.

QUICKSILVER shall be installed using compatible materials and conform to best building practices. Verify the application is compliant with applicable building codes.

As with all roofing materials, always observe safe roofing practices (OSHA) and local building and safety codes. Use caution when walking or standing on QUICKSILVER. Moisture, dust, snow, ice, debris and other jobsite conditions may change the coefficient of friction of QUICKSILVER. Failure to use proper safety equipment and footwear can result in serious injury or death.

Installation - General

Fastening methods and materials should conform to best building practices and local jobsite conditions.

Verify final application to be compliant with the requirements of applicable building codes. Verify compatibility according to geographical region, structure type and roof specification with applicable building codes and/or by review of a building professional.

Install QUICKSILVER print side up, horizontal (parallel) to the eave, with minimum 3 inch (102 mm) horizontal laps and 6 inch (152 mm) vertical laps. Overlaps shall run with the flow of water in a shingling fashion.

Installation Guidelines & Limited Lifetime Warranty

Minimum finished roof slope is 2:12 (17%). For roof slopes greater than 2:12 (17%) and less than 4:12 (33%), laps shall be increased to 25 inches (635 mm) in accordance with applicable building codes.

In jurisdictions where the use of QUICKSILVER in valley applications is permitted by local building codes, it is recommended that QUICKSILVER be applied as a valley liner in accordance with applicable building codes and industry standards/guidelines.

Extend QUICKSILVER one-inch past gable/rake edge, turn down over edge, fasten approximately 4-inches on center and cover with code-compliant flashing prior to the installation of the final roof covering.



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24 Hour Exposure: When permitted by applicable building codes, for short-term exposure (less than 24 hours before the primary roof installation is completed) without exposure to precipitation or high wind (any signs of underlayment uplifting), corrosive-resistant fasteners may be used to nominally attach the underlayment only as necessary to prevent distortion around fasteners in high traffic areas. The final roof covering will permanently affix the underlayment in place.

2 - 29 Day Exposure: Applications that are not immediately covered (within 24 hours) by the primary roof covering or are subject to basic wind speeds (fastest mile) in excess of 90 miles per hour (145 km/hour, Uniform Building Code) or basic wind speeds (3-second gust) in excess of 110 miles per hour (177 km/hour, International Residential Code and International Building Code) shall be attached using corrosive-resistant roofing nails with a minimum head diameter of 3/8 inches or plastic capped roofing nails or staples with a minimum plastic cap diameter of 1 inch at every other fastener marking along both horizontal laps and the center of the roll in the field of the roof. Vertical laps shall be fastened at 12 inches (305 mm) on center. Fasteners shall be 90° to the roof deck and shall not be under or over driven.

30 - 180 Day Exposure: For underlayment applications that are not covered by the primary roof covering within 30 days and/or for applications in high wind (any signs of underlayment uplifting) zones, lap widths shall be doubled and fastening frequency increased to every fastener marking for horizontal laps and along the center of the roll. Vertical laps shall be fastened at 12 inches (305 mm) on center. Additionally, it is recommended that a caulk or sealant material be applied between laps before fastening to prevent moisture ingress in areas of high wind.

When permitted by applicable building codes, for a primary roof covering requiring attachment through a batten system, the underlayment need only be preliminarily attached pending attachment of battens or counter battens. Battens or counter battens shall not be secured directly over raised fasteners, including plastic capped roofing nails.

Repairs

Repair damage to the underlayment with asbestos free, low solvent, plastic roofing cement, sealant conforming to ASTM D 4586, Type 1, Federal Spec SS153 Type 1 or butyl, urethane, or EPDM caulk. Ensure any incorrectly applied fasteners are caulked and/or sealed to prevent possible moisture ingress.

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